

ABSTRACT OF THE DISCLOSURE

An injection apparatus includes an injection frame, a stator attached to the injection frame, a rotor disposed radially inward of the stator to be rotatable  
5 relative to the stator, and a ball screw disposed radially inward of the rotor. The rotor includes a hollow and cylindrical member disposed radially outward of the ball screw, and a magnet attached to an outer circumference of the hollow and cylindrical member.